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| Substitute Form PTO-1449<br>(Modified)   | U.S. Department of Commerce<br>Patent and Trademark Office | Attorney's Docket No.<br>09531-076001 | Application No.<br>Not yet assigned     |
| <b>Information Disclosure Statement<br/>by Applicant</b><br>(Use several sheets if necessary)<br>(37 CFR §1.98(b)) |  | Applicant<br>Matthew D. Putnam        | J1016 U.S. PRO<br>09/975514<br>10/12/01 |
|  |  | Filing Date<br>October 12, 2001       |   |

**U.S. Patent Documents**

| Examiner Initial | Desig. ID | Patent Number | Issue Date | Patentee        | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------|---------------|------------|-----------------|-------|----------|----------------------------|
| CCn              | AA        | 5,586,985     | 12/24/1996 | Putnam et al.   |       |          |                            |
|                  | AB        | 6,221,074 B1  | 04/24/2001 | Cole et al.     |       |          |                            |
|                  | AC        | 6,235,032 B1  | 05/22/2001 | Hodgeman et al. |       |          |                            |
|                  | AD        | 6,129,729     | 10/10/2000 | Snyder          |       |          |                            |
|                  | AE        | 6,171,309 B1  | 01/09/2001 | Huebner         |       |          |                            |
|                  | AF        | 5,779,703     | 07/14/1998 | Benoist         |       |          |                            |
|                  | AG        | 5,683,389     | 11/04/1997 | Orsak           |       |          |                            |
|                  | AH        | 5,100,405     | 03/31/1992 | McLaren         |       |          |                            |
|                  | AI        | 6,096,040     | 08/01/2000 | Esser           |       |          |                            |
|                  | AJ        | 5,197,966     | 03/30/1993 | Sommerkamp      |       |          |                            |
|                  | AK        | 5,718,704     | 02/17/1998 | Medoff          |       |          |                            |
|                  | AL        | 4,653,487     | 03/31/1986 | Maale           |       |          |                            |
| CCn              | AM        | 5,514,137     | 05/07/1996 | Coutts          |       |          |                            |
| CCn              | AN        | 4,229,840     | 10/28/1980 | Gristina        |       |          |                            |

**Foreign Patent Documents or Published Foreign Patent Applications**

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |
|------------------|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|
|                  |           |                 |                  |                          |       |          | Yes No      |
|                  | AO        |                 |                  |                          |       |          |             |

**Other Documents (include Author, Title, Date, and Place of Publication)**

| Examiner Initial | Desig. ID | Document  |
|------------------|-----------|---|
| CCn              | AP        | O'Conner D.O. et al., "In vitro measurement of strain in the bone cement surrounding the femoral component of total hip replacements during simulated gait and stair-climbing," J. Orthop. Res. 14(5):769-777 (September 1996). |
| CCn              | AQ        | Maloney, W.J. et al., "Biomechanical and histological investigation of cemented total hip arthroplasties. A study of autopsy-retrieved femurs after in vivo cycling," Clin. Orthop 249:129-140 (December 1989).                 |
| CCn              | AR        | Page, A.E. et al., "Determination of loading parameters in the canine hip in vivo," J. Biomech. 26(4-5):571-579 (April-May 1993).   |

Examiner Signature

Date Considered

11/5/02

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.